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Lazy Container Image Distribution With eStargz And P2P Image Sharing on IPFS

Tuesday 13 September 2022 09:30 (20 minutes)

Pulling images is known as one of the time-consuming steps during starting up containers. In this talk, Kohei will share the approach of speeding up container startup using eStargz image format and recent works around eStargz.

eStargz allows container runtimes to start containers without waiting for the pull completion. This has been available on a variety of tools in the community, including Kubernetes, k3s, containerd, CRI-O, Podman, BuildKit, Kaniko, etc.

The talk will also cover IPFS-based P2P image distribution with containerd and its combination with eStargz-based lazy pulling.

About the speaker

Kohei Tokunaga is a software engineer at NTT Corporation, a Japan-based telecommunication company. He is a reviewer of CNCF containerd and a maintainer of BuildKit. He is also a maintainer of stargz-snapshotter subproject in containerd.

Presenter: TOKUNAGA, Kohei